

TRUCKEE RIVER BASIN, LAKE TAHOE

103367592 EAGLE ROCK CREEK NEAR STATELINE, NV

LOCATION.--Lat 38°57'24", long 119°55'36" referenced to North American Datum of 1927, in NE 1/4 SW 1/4 sec. 26, T.13 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on right bank, 0.2 mi upstream from confluence of Edgewood Creek, and 0.8 mi east of Stateline.

DRAINAGE AREA.--0.63 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1989 to September 2000, August 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,480 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4.0 ft³/s, January 2, 1997, gage height, 5.68 ft; maximum gage height 6.22 ft, December 17, 2002, backwater from ice; minimum daily, 0.19 ft³/s, September 16-25, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1.2 ft³/s, March 22, gage height, 5.76 ft; minimum daily discharge, 0.39 ft³/s, October 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.40	0.48	0.52	0.50	e0.70	0.87	0.74	0.75	0.66	0.50	0.44	0.44
2	0.40	0.48	0.52	0.54	e0.72	0.87	0.75	0.75	0.66	0.48	0.44	0.44
3	0.39	0.48	0.52	0.59	e0.74	0.87	0.86	0.75	0.65	0.48	0.44	0.44
4	0.40	0.50	0.52	0.60	e0.76	0.85	0.96	0.73	0.63	0.47	0.44	0.46
5	0.40	0.52	0.56	0.63	e0.78	0.81	1.0	0.72	0.62	0.46	0.44	0.46
6	0.40	0.52	0.57	0.63	e0.78	0.79	1.0	0.72	0.63	0.45	0.42	0.46
7	0.40	0.52	0.55	0.66	e0.78	0.79	1.0	0.70	0.63	0.44	0.42	0.45
8	0.40	0.52	0.49	e0.68	e0.79	0.81	1.0	0.69	0.60	0.45	0.42	0.45
9	0.40	0.57	0.46	e0.70	e0.79	0.83	0.91	0.69	0.60	0.46	0.42	0.46
10	0.40	0.57	0.47	e0.70	e0.80	0.84	0.87	0.66	0.60	0.46	0.42	0.48
11	0.40	0.57	0.48	e0.70	e0.81	0.87	0.82	0.68	0.60	0.46	0.42	0.50
12	0.40	0.57	0.50	e0.70	e0.82	0.87	0.84	0.68	0.60	0.46	0.42	0.53
13	0.40	0.57	0.50	e0.70	e0.83	0.87	0.87	0.66	0.62	0.46	0.42	0.55
14	0.41	0.57	0.50	e0.69	e0.83	0.88	0.87	0.66	0.63	0.47	0.42	0.57
15	0.40	0.57	e0.50	e0.69	e0.83	0.87	0.87	0.66	0.63	0.46	0.43	0.59
16	0.41	0.57	0.47	e0.69	0.92	0.78	0.87	0.66	0.63	0.46	0.44	0.59
17	0.42	0.58	0.50	e0.70	0.88	0.74	0.87	0.66	0.63	0.46	0.43	0.59
18	0.41	0.59	0.51	e0.70	0.87	0.75	0.87	0.66	0.62	0.46	0.43	0.59
19	0.40	0.60	0.52	e0.70	0.87	0.78	0.87	0.66	0.60	0.46	0.42	0.57
20	0.40	0.60	0.53	e0.70	0.87	0.75	0.87	0.63	0.60	0.46	0.42	0.57
21	0.40	0.60	0.55	e0.70	0.87	0.79	0.87	0.65	0.57	0.45	0.42	0.57
22	0.42	e0.60	0.56	e0.70	0.87	0.94	0.87	0.66	0.60	0.44	0.42	0.57
23	0.46	e0.59	0.57	e0.70	0.87	0.95	0.87	0.66	0.55	0.45	0.42	0.56
24	0.46	0.58	e0.56	e0.70	0.87	0.93	0.87	0.66	0.55	0.44	0.42	0.54
25	0.46	0.57	e0.56	e0.70	0.87	0.85	0.78	0.66	0.53	0.44	0.43	0.52
26	0.46	0.57	e0.56	e0.69	0.87	0.83	0.78	0.66	0.52	0.46	0.44	0.52
27	0.46	0.53	e0.55	e0.69	0.87	0.83	0.79	0.66	0.53	0.45	0.44	0.51
28	0.46	0.53	e0.55	e0.68	0.87	0.80	0.79	0.70	0.52	0.45	0.44	0.50
29	0.46	0.53	e0.55	e0.68	0.87	0.78	0.79	0.69	0.52	0.44	0.44	0.50
30	0.46	0.52	0.51	e0.68	---	0.71	0.77	0.67	0.50	0.44	0.44	0.50
31	0.46	---	0.50	e0.69	---	0.72	---	0.66	---	0.45	0.44	---
TOTAL	13.00	16.57	16.21	20.81	24.00	25.62	25.89	21.10	17.83	14.17	13.30	15.48
MEAN	0.42	0.55	0.52	0.67	0.83	0.83	0.86	0.68	0.59	0.46	0.43	0.52
MAX	0.46	0.60	0.57	0.70	0.92	0.95	1.0	0.75	0.66	0.50	0.44	0.59
MIN	0.39	0.48	0.46	0.50	0.70	0.71	0.74	0.63	0.50	0.44	0.42	0.44
AC-FT	26	33	32	41	48	51	51	42	35	28	26	31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	0.78	0.80	0.77	0.82	0.82	0.86	0.91	0.84	0.72	0.67	0.68	0.72
MAX	1.51	1.45	1.47	1.72	1.50	1.49	1.52	1.53	1.28	1.25	1.38	1.50
(WY)	(1998)	(2000)	(2000)	(1997)	(1997)	(1997)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)
MIN	0.26	0.27	0.29	0.26	0.29	0.39	0.37	0.29	0.25	0.25	0.26	0.21
(WY)	(1993)	(1993)	(1993)	(1992)	(1993)	(1991)	(1992)	(1992)	(1992)	(1993)	(1994)	(1991)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1990 - 2004
ANNUAL TOTAL	211.18	223.98	
ANNUAL MEAN	0.58	0.61	0.81
HIGHEST ANNUAL MEAN			1.42
LOWEST ANNUAL MEAN			0.31
HIGHEST DAILY MEAN	1.0	May 14	3.6
LOWEST DAILY MEAN	0.39	Oct 3	0.19
ANNUAL SEVEN-DAY MINIMUM	0.40	Oct 1	0.19
MAXIMUM PEAK FLOW		1.2	4.0
MAXIMUM PEAK STAGE		5.76	6.22
ANNUAL RUNOFF (AC-FT)	419	444	585
10 PERCENT EXCEEDS	0.72	0.87	1.4
50 PERCENT EXCEEDS	0.57	0.57	0.69
90 PERCENT EXCEEDS	0.46	0.42	0.28

e Estimated